

In the Abstract:

Please **replace** the paragraph at **page 7, lines 2 to 7**, with a replacement paragraph amended as follows:

~~The present invention relates to a sensor transponder (1) and a procedure for calculating a tyre contact length (6).~~  
The A sensor transponder (1) ~~is arranged~~ with at least one acceleration sensor is arranged on the inner side of a running surface (2) of a ~~[[tyre]]~~ tire (9). The signals from the acceleration sensor are compared with prespecified threshold values and then integrated, whereby following the formation of a quotient, the ~~[[tyre]]~~ tire contact length (6) is calculated independently of the velocity.

[RESPONSE CONTINUES ON NEXT PAGE]